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 Prepn. of human serum albumin - by culturing cells transformed with a
plasmid contg. AOX1 promoter and HSA gene
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Number of Countries: 001 Number of Patents: 001
Patent Family:

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JP 6022784	A	19940201	JP 92203208	A	19920708	199409	B

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Patent Details:

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JP 6022784	A		11	C12P-021/00	

Abstract (Basic): JP 6022784 A
     Human serum albumin (HSA) is prepared as follows, (1) a plasmid is
constructed carrying compsns. of (a) AOXI promoter which contains DNA
sequence (I) and (b) HSA; (2) the plasmid is introduced into a host for
transformation; and (3) the obtd. transformant is cultured to produce
HSA.
     CCAGATTCTG GTGGGAATAC TGCTGATAGC CTAACGTTCA TGATCATAAT CTAACTGTTC
TAACCCCTAC TTGGACTGGC AATATATAAA CAGGAGGAAA CTGCCCAGTC GAAAACCTTC
TTCCTTATCA TCATTATTAG CTTACTTTCA TAATTGTGAC TGGTTCCAAT TGACAAGCTT
TTGATTCTAA CGACTTTTAA CGACAATTTG AGAAGATCAA AAAACAACTA ATTATTCGAA ACG
(I)
     USE/ADVANTAGE - By culturing a transformant e.g. Pichia yeast under
controlling methanol concn. in the medium, HSA can be secreted into the
medium high efficiently. Also highly purified HSA can be prepared by
treating the cultured soln. with combination methods of ultrafiltration
membrane, heat treatment, cationic ion exchange chromatography,
hydrophobic chromatography, etc.
     In an example, Pichia yeast GCP 104 and 101 were used. As promoter
of HSA gene, Pichia yeast IFO-1013 derived AOXI promoter was used.
     Dwg.0/3
Title Terms: PREPARATION; HUMAN; SERUM; ALBUMIN; CULTURE; CELL; TRANSFORM;
  PLASMID; CONTAIN; PROMOTE; GENE
Derwent Class: B04; D16
International Patent Class (Main): C12P-021/00
International Patent Class (Additional): C12N-015/14; C12N-015/81;
  C12P-021/00; C12R-001-84
File Segment: CPI